

**SITE SPECIFIC RECOMBINASE-BASED METHODS FOR PRODUCING
INTRON CONTAINING VECTORS AND COMPOSITIONS FOR USE IN
PRACTICING THE SAME**

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ABSTRACT OF THE DISCLOSURE

Methods are provided for producing a vector that includes at least one
splicable intron. In the subject methods, intron containing vectors are produced
from donor and acceptor vectors that each include a site specific recombinase
10 site, where the subject donor and acceptor vectors further include splice donor
and acceptor sites that, upon site specific recombination of the donor and
acceptor vectors, define an intron in the product vector of the recombination step.
Also provided are compositions for use in practicing the subject methods,
including the donor and acceptor vectors themselves, as well as systems and kits
15 that include the same. The subject invention finds use in a variety of different
applications, including the production of expression vectors that encode C-
terminal tagged fusion proteins, the production of expression vectors that encode
pure protein and not a fusion thereof, and the like.

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